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	22221/1050	09/642,218
	APPLICANT	
	Yurieva et al.	
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	August 18, 2000	1652

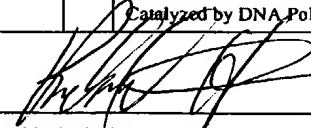
## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
RK	1	5,192,674	03/09/1993	Oshima et al.	435	194	
	2	5,322,785	06/21/1994	Comb et al.	435	194	
	3	5,352,778	10/04/1994	Comb et al.	531	23.2	
	4	5,545,552	08/13/1996	Mathur	435	194	
	5	5,583,026	12/10/1996	O'Donnell	435	194	
	6	5,633,159	05/27/1997	Pearson et al.	435	194	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO- PRIATE
RK	7	WO 91/09950	07/11/1991	WIPO	—	—	
RK	8	WO 93/15115	08/05/1993	WIPO	—	—	

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

RK	9	Rudinger, "Characteristics of the Amino Acids as Components of a Peptide Hormone Sequence," In: Peptide Hormones, Ed. J.A. Parsons. University Park Press, Baltimore, MD, pages 1-7 (1976)
	10	Ngo et al., "Computational Complexity, Protein Structure Prediction, and the Ilevinthal Paradox," In: The Protein Folding Problem and Tertiary Structure Prediction, Eds. Merz et al., Birkhauser et al., Boston, MA, pages 491-495 (1994)
	11	Thornton et al., "Protein Engineering: Editorial Overview," <u>Current Opinion in Biotechnology</u> 6(4):367-369 (1995)
	12	Wallace, "Understanding Cytochrome C Function: Engineering Protein Structure by Semisynthesis," <u>The FASEB Journal</u> 7:505-515 (1993)
	13	McHenry et al., "A DNA polymerase III Holoenzyme-Like Subassembly from an Extreme Thermophilic Eubacterium," <u>J. Mol. Biol.</u> 272:178-189 (1997)
	14	Yurieva et al., <u>J. Biol. Chem.</u> 272(43):27131-27139 (1997)
RK	15	Bukhrashvili et al., "Comparison of Initiating Abilities of Primers of Different Length in Polymerization Reactions Catalyzed by DNA Polymerases from Thermoacidophilic Archaeobacteria," <u>Biochimica et Biophysica Acta</u> 1008:102-107 (1989)
EXAMINER		DATE CONSIDERED
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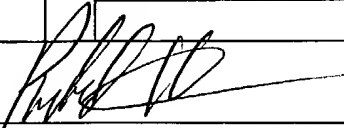
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## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

RV	16	Elic et al., "A DNA Polymerase from a Thermoacidophilic Archaeobacterium: Evolutionary and Technological Interests," <u>Biochimica et Biophysica Acta</u> 951:261-267 (1988)
	17	Pluthero, "Rapid Purification of High-Activity Taq DNA Polymerase," <u>Nucleic Acids Research</u> 21(20):4850-4851 (1993)
	18	Alonso et al., <u>Nucl. Acids Res.</u> 18:6771-6777 (1990)
	19	Blinkowa et al., <u>Nucleic Acids Research</u> 18:1725-1729 (1990)
I	20	Carter et al., <u>J. Bacteriol</u> 175:3812-22 (1993)
	21	Chen et al., <u>Proc. Natl. Acad. Sci. USA</u> 5211-5 (1992)
RV	22	Cullman et al., <u>Mol. Cell Biol.</u> 150:4661-71 (1995)
I	23	Dong et al., <u>J. Biol. Chem.</u> 11758-66 (1993)
RV	24	Flower et al., <u>Proc. Natl. Acad. Sci. USA</u> 87:3713-7 (1990)
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## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

RV	25	Guibus et al., <u>Cell</u> 87:297-306 (1996)
	26	Jack et al., <u>Cell</u> 55:447-58 (1988)
	27	Kelman et al., <u>Curr Opin Gen &amp; Dev</u> 4:185-95 (1994)
	28	Kong et al., <u>Cell</u> 69:425-37 (1992)
	29	Kornberg et al., <u>DNA Replication</u> , 2 <sup>nd</sup> ed. New York: W.H. Freeman com, pp. 165-194 (1992)
	30	Krishna et al., <u>Cell</u> 79:1233-43 (1994)
	31	Kuriyan et al., <u>J. Mol. Biol.</u> 234:915-25 (1993)
	32	Larsen et al., <u>J. Bact.</u> 176:6842-51 (1994)
RV	33	Lec et al., <u>Proc. Natl. Acad. Sci. USA</u> 84:2713-7 (1987)
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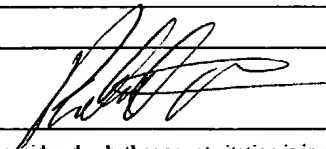
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## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

BH	34	Maki et al., <u>J. Biol. Chem.</u> 263:6570-78 (1988)
	35	McHenry et al., <u>J. Biol. Chem.</u> 257:1657-63 (1982)
	36	O'Donnell et al., <u>Mol. Cell Biol.</u> 3:953-7 (1992)
	37	O'Donnell et al., <u>Nucl. Acids Res.</u> 21:1-3 (1993)
	38	Onrust et al., <u>J. Biol. Chem.</u> 270:13366-77 (1995)
	39	Onrust et al., <u>J. Biol. Chem.</u> 266:21681-6 (1991)
	40	Perrino et al., <u>Biochemistry</u> 29:5226-31 (1990)
	41	Studwell-Vaughan, <u>J. Biol. Chem.</u> 266:19833-841 (1991)
RI	42	Stukenberg et al., <u>J. Biol. Chem.</u> 266:11328-34 (1991)
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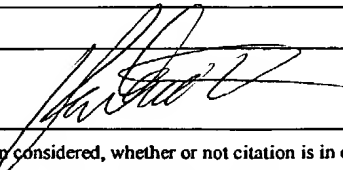
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RL	43	Tsuchihashi et al., <u>Proc. Natl. Acad. Sci. USA</u> 87:2516-20 (1990)
	44	Tsuchihashi et al., <u>Gen. &amp; Dev.</u> 6:511-9 (1992)
	45	Tsuchihashi et al., <u>J. Biol. Chem.</u> 264:17790-5 (1989)
	46	Weiss et al., Cold Spring Harbor Symposia on Quantitative Biology, 52:687-93 (1987)
BV	47	Yin et al., <u>Nucl. Acids Res.</u> 14:6541-49 (1986)
	48	Yuzhakov et al., <u>Cell</u> 86:877-86 (1996)
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